Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/05/2017 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124294	-1	1.56	124153	1.55
Blue	F	SSC	125000	123189	-2	2.59	123646	2.42
Blue	E	FITC	22946	22161	-4	2.31	982	10.02
Blue	D	PE	28770	28042	-3	1.86	1003	9.22
Blue	B	PerCP-Cy5-5	51099	50078	-2	3.24	1442	16.25
Blue	A	PE-Cy7	42312	41810	-2	4.87	649	34.26
Red	C	APC	52169	51592	-2	2.73	2989	9.29
Red	A	APC-Cy7	56705	56233	-1	2.84	1166	11.02
Violet	B	V450	14708	13986	-5	4.63	669	9.16
Violet	A	V500	58608	56843	-4	4.47	2513	6.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19906	5.41	603	5	N/A	N/A	Pass
Blue	F	SSC	61480	1.49	532	14	N/A	N/A	Pass
Blue	E	FITC	112	36.63	537	6	0.0215	89	Pass
Blue	D	PE	221	28.41	533	7	0.1955	315	Pass
Blue	B	PerCP-Cy5-5	229	43.71	631	9	0.0111	139	Pass
Blue	A	PE-Cy7	73	113.22	680	9	0.0127	16	Pass
Red	C	APC	347	27.09	593	3	0.0210	61	Pass
Red	A	APC-Cy7	128	40.07	579	3	0.0059	1804	Pass
Violet	B	V450	80	41.90	464	5	0.0491	1976	Pass
Violet	A	V500	183	22.70	493	5	0.0149	480	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.09	-30.73	0.88
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	15.91	13.27 - 19.91	N/A	N/A	31.16	31.40	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9878

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments